

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	72	((4502001") or ("4719401") or ("4949028") or ("4967136") or ("5304915") or ("5387857") or ("5498950") or ("5526215") or ("5548201") or ("5592067") or ("5631534") or ("5644209") or ("5666041") or ("5710504") or ("5717313") or ("5764027") or ("5889385") or ("5912547") or ("5920179") or ("5945810") or ("5982143") or ("5982144") or ("6043627") or ("6064178") or ("6114835") or ("6140800") or ("6222344") or ("6225780") or ("6271645") or ("6275004") or ("6291972") or ("6297619") or ("6310463") or ("6340880") or ("6373223") or ("6437539") or ("20050140335")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/18 16:01
L11	36	((4502001") or ("4719401") or ("4949028") or ("4967136") or ("5304915") or ("5387857") or ("5498950") or ("5526215") or ("5548201") or ("5592067") or ("5631534") or ("5644209") or ("5666041") or ("5710504") or ("5717313") or ("5764027") or ("5889385") or ("5912547") or ("5920179") or ("5945810") or ("5982143") or ("5982144") or ("6043627") or ("6064178") or ("6114835") or ("6140800") or ("6222344") or ("6225780") or ("6271645") or ("6275004") or ("6291972") or ("6297619") or ("6310463") or ("6340880") or ("6373223") or ("6437539") or ("20050140335")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/18 16:01
L12	4427	((320/119,108,103,116,118,120,121,122,125,134,136,141,162,164) or (324/433,434)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/18 16:02
L13	195	L12 and @pd>="20051201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 16:02

## EAST Search History

L14	914	(balanc\$3 or equaliz\$5) and (SOC state\$1of\$1charge or Amp-hr or Ampere-hour or (voltage adj level)) and ((battery or ((energy or electrical or cell or unit) near3 (storage or storing)) or accumulator) near3 (plural or many or multiple or multitude or numerous or various or string))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 16:06
L15	511	L14 and (converter or transformer or buck or boost or fly\$1back or buck-boost)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 16:06
L16	136	L15 and (bi\$1directional or ((both or each) adj (direction or pathway or path)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 16:06
L17	18	L16 and @pd>="20051201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 17:07
L18	253	L15 and (voltage near3 (monitor\$3 or detect\$3 or sens\$3)) and (current near3 (monitor\$3 or detect\$3 or sens\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 17:07
L19	110	L18 and (op\$1amp or operational\$1amplifier or comparator) and (reference near5 voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 17:07
L20	13	L19 and @pd>="20051201"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 17:08
S1	151	(320/119).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 13:41
S2	21	(("0432639") or ("0156062") or ("2080332") or ("0209223") or ("2093712") or ("0223664") or ("0863598") or ("0958634") or ("1014533") or ("1158647")).PN.	EPO; DERWENT	OR	OFF	2005/12/06 09:40

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S3	16	(("2000193694") or ("2001136669") or ("2001325994") or ("2002238171") or ("2002345159") or ("200377548") or ("10084627") or ("11103534")).PN.	JPO; DERWENT	OR	OFF	2005/12/06 09:42
S4	31	(("1325994") or ("2142377") or ("2238171") or ("2345159") or ("3077548") or ("5438250") or ("5656915") or ("6008623") or ("6157167") or ("6239579") or ("6278604") or ("6285161") or ("6288521") or ("6337555") or ("6329796") or ("6351097") or ("6356055") or ("6369546") or ("6441583") or ("6504344") or ("6518725") or ("20020047685") or ("20020167294") or ("20020190692") or ("20020195994") or ("20030139888")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/06 09:46
S6	213	(320/108).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/06 16:38
S7	150	(320/118).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/06 16:39
S8	169	(320/121).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 14:05
S9	368	(320/125).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/06 16:39
S10	4237	((320/119,108,103,116,118,120,121,122,125,134,136,141,162,164) or (324/433,434)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/18 16:02
S13	11	"432639"	EPO; DERWENT	OR	ON	2005/12/07 13:47

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S14	4	(("5767660") or ("5821729")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/07 13:48
S15	812	(balanc\$3 or equaliz\$5) and (SOC state\$1of\$1charge or Amp-hr or Ampere-hour or (voltage adj level)) and ((battery or ((energy or electrical or cell or unit) near3 (storage or storing)) or accumulator) near3 (plural or many or multiple or multitude or numerous or various or string))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:14
S16	453	S15 and (converter or transformer or buck or boost or fly\$1back or buck-boost)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:17
S17	106	S16 and bi\$directional	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:17
S18	118	S16 and (bi\$1directional or ((both or each) adj (direction or pathway or path)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/08/18 16:06
S19	226	S16 and (voltage near3 (monitor\$3 or detect\$3 or sens\$3)) and (current near3 (monitor\$3 or detect\$3 or sens\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:21
S20	97	S19 and (op\$1amp or operational\$1amplifier or comparator) and (reference near5 voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:22
S21	41	S20 and (inductor or transformer) and (switch or MOSFET or FET or BJT or IGBT)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:25
S22	30	S21 and capacitor and (PWM or (puls\$3 near4 (generator or modulator)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:24

## EAST Search History

S23	7	S22 and (bi\$1directional or ((both or each) adj (direction or pathway or path)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/07 14:25
S24	1	("5003244").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/09 10:14